



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12151950
SAU: MSAD 21
School: Dirigo Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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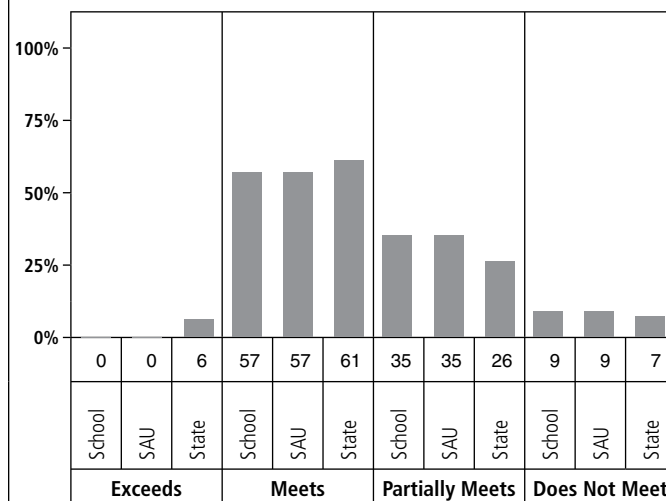
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

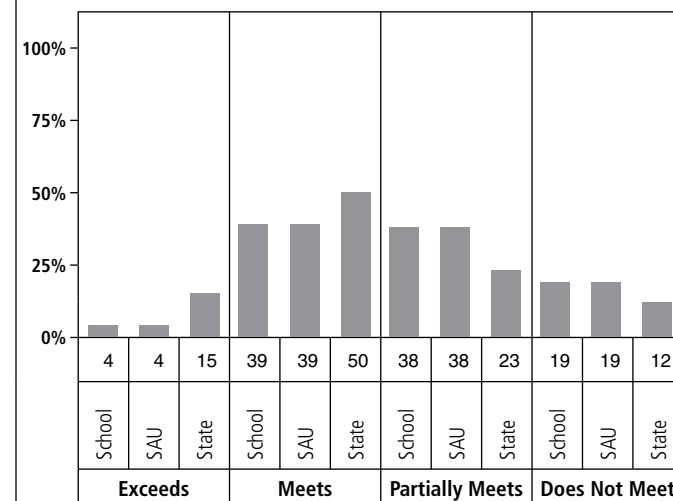
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading 2006–2007 2007–2008 2008–2009 Cum. Avg.*	542	541 541 542 541	544 545 546 545
Mathematics 2006–2007 2007–2008 2008–2009 Cum. Avg.*	540	541 538 540 540	546 546 547 546
Science 2008–2009**	540	540	543

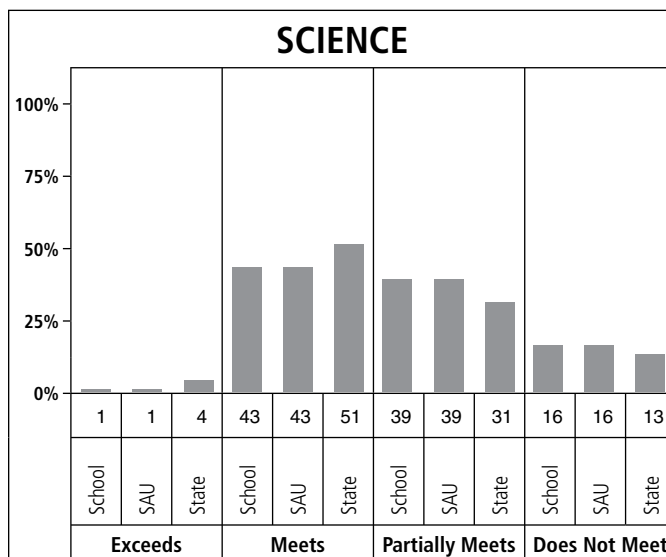
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	70	100	70	100	14212	100	69	99	69	99	14135	100	69	99	69	99	14144	100	69	99	69	99	14137	100
Ethnicity African American/Black	1	1	1	1	397	3	1	100	1	100	388	98	1	100	1	100	393	99	1	100	1	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	1	1	1	1	259	2	1	100	1	100	253	98	1	100	1	100	258	100	1	100	1	100	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	68	97	68	97	13271	93	67	99	67	99	13212	100	67	99	67	99	13211	100	67	99	67	99	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	5	7	5	7	2479	17	5	100	5	100	2454	100	5	100	5	100	2455	100	5	100	5	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	30	43	30	43	5848	41	29	97	29	97	5815	100	29	97	29	97	5819	100	29	97	29	97	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	56	80	56	80	10849	76	56	80	56	80	10872	76	56	80	56	80	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	13	19	13	19	3122	22	13	19	13	19	3124	22	13	19	13	19	3019	21
Identified disability (PET/IEP)	5	38	5	38	1992	64	5	38	5	38	2000	64	5	38	5	38	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	8	62	8	62	907	29	8	62	8	62	886	28	8	62	8	62	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	1	1	1	1	58	0	1	1	1	1	49	0	1	1	1	1	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007			2	2	702	5
	2007-2008			1	2	659	5
	2008-2009	0	0	0	0	836	6
	Cum. Total*			3	1	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007			36	42	7730	55
	2007-2008			28	43	8195	58
	2008-2009	39	57	39	57	8495	61
	Cum. Total*			103	47	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007			33	39	4182	30
	2007-2008			24	37	3800	27
	2008-2009	24	35	24	35	3667	26
	Cum. Total*			81	37	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007			14	16	1419	10
	2007-2008			12	18	1362	10
	2008-2009	6	9	6	9	973	7
	Cum. Total*			32	15	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	28.0	58.3	28.0	58.3	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	13.3	55.4	13.3	55.4	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	14.7	61.3	14.7	61.3	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	69	0	0	39	57	24	35	6	9	542	69	0	57	35	9	542	13971	6	61	26	7	546
Ethnicity																						
African American/Black	1										1						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	1										1						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	67	0	0	39	58	23	34	5	7	542	67	0	58	34	7	542	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	0	0	2	40	3	60	528	5	0	0	40	60	528	2290	0	29	47	23	537
No	64	0	0	39	61	22	34	3	5	543	64	0	61	34	5	543	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	69	0	0	39	57	24	35	6	9	542	69	0	57	35	9	542	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	29	0	0	15	52	11	38	3	10	541	29	0	52	38	10	541	5716	2	51	35	12	542
No	40	0	0	24	60	13	33	3	8	543	40	0	60	33	8	543	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	69	0	0	39	57	24	35	6	9	542	69	0	57	35	9	542	13963	6	61	26	7	546
Gender																						
Female	29	0	0	20	69	8	28	1	3	545	29	0	69	28	3	545	6882	8	62	24	6	547
Male	40	0	0	19	48	16	40	5	13	540	40	0	48	40	13	540	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	32	0	0	15	47	13	41	4	13	539	32	0	47	41	13	539	1914	1	41	44	14	540
No	37	0	0	24	65	11	30	2	5	544	37	0	65	30	5	544	12057	7	64	23	6	547
Gifted/talented program																						
Yes	4										4						450	26	72	2	0	557
No	65	0	0	35	54	24	37	6	9	541	65	0	54	37	9	541	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	9	0	0	3	50	3	50	0	0	545	9	0	50	50	0	545	4	2	40	34	24	540
B. less than one hour	64	0	0	29	66	11	25	4	9	543	64	0	66	25	9	543	70	6	63	26	6	546
C. one to two hours	23	0	0	5	31	10	63	1	6	538	23	0	31	63	6	538	24	7	61	26	6	546
D. more than two hours	4	0	0	2	67	0	0	1	33	537	4	0	67	0	33	537	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	30	0	0	16	76	3	14	2	10	545	30	0	76	14	10	545	36	10	67	18	5	549
B. good	43	0	0	15	50	12	40	3	10	541	43	0	50	40	10	541	47	5	62	27	6	546
C. fair	22	0	0	6	40	9	60	0	0	541	22	0	40	60	0	541	15	2	47	40	12	541
D. poor	4	0	0	2	67	0	0	1	33	539	4	0	67	0	33	539	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	29	0	0	16	80	2	10	2	10	545	29	0	80	10	10	545	31	9	65	20	5	548
B. They match some of what I have learned.	54	0	0	19	51	16	43	2	5	541	54	0	51	43	5	541	55	5	63	27	5	546
C. They match just a little of what I have learned.	12	0	0	3	38	4	50	1	13	540	12	0	38	50	13	540	10	3	45	38	14	542
D. There is no match.	4	0	0	1	33	1	33	1	33	536	4	0	33	33	33	536	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	13	0	0	3	33	4	44	2	22	538	13	0	33	44	22	538	16	3	49	32	15	542
B. about the same as my regular schoolwork	72	0	0	30	61	16	33	3	6	543	72	0	61	33	6	543	64	7	63	25	5	547
C. easier than my regular schoolwork	15	0	0	5	50	4	40	1	10	540	15	0	50	40	10	540	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	1	14	5	71	1	14	537	10	0	14	71	14	537	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	60	0	0	21	51	16	39	4	10	541	60	0	51	39	10	541	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	29	0	0	16	80	3	15	1	5	545	29	0	80	15	5	545	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	13	0	0	6	67	2	22	1	11	544	13	0	67	22	11	544	20	10	64	21	5	548
B. 20 minutes to an hour	49	0	0	22	65	12	35	0	0	544	49	0	65	35	0	544	56	7	65	24	5	547
C. less than 20 minutes	14	0	0	4	40	2	20	4	40	536	14	0	40	20	40	536	10	3	52	33	12	543
D. I rarely read at home.	23	0	0	7	44	8	50	1	6	541	23	0	44	50	6	541	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	33	0	0	10	45	9	41	3	14	540	33	0	45	41	14	540	25	3	53	33	11	543
B. six to ten pages	28	0	0	11	58	6	32	2	11	541	28	0	58	32	11	541	26	6	61	26	7	546
C. eleven or more pages	39	0	0	16	62	9	35	1	4	544	39	0	62	35	4	544	49	8	65	23	5	547
Optional school/SAU question																						
A.	50	0	0	0	0	1	100	0	0	538	50	0	0	100	0	538						
B.	0										0											
C.	0										0											
D.	50	0	0	0	0	1	100	0	0	536	50	0	0	100	0	536						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007 2007-2008 2008-2009 Cum. Total*	3	4	7 0 3 10	8 0 4 5	1711 1617 2119 5447	12 12 15 13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007 2007-2008 2008-2009 Cum. Total*	27	39	32 30 27 89	38 46 39 41	6778 7284 7046 21108	48 52 50 50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007 2007-2008 2008-2009 Cum. Total*	26	38	30 17 26 73	35 26 38 33	3884 3341 3193 10418	28 24 23 25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007 2007-2008 2008-2009 Cum. Total*	13	19	16 18 13 47	19 28 19 21	1683 1778 1638 5099	12 13 12 12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	20.9	43.5	20.9	43.5	25.5	53.1
A. Number	18	38	8.0	44.4	8.0	44.4	9.8	54.4
B. Data	10	21	5.0	50.0	5.0	50.0	5.2	52.0
C. Geometry	10	21	3.5	35.0	3.5	35.0	4.7	47.0
D. Algebra	10	21	4.5	45.0	4.5	45.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 21
 School: Dirigo Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	69	3	4	27	39	26	38	13	19	540	69	4	39	38	19	540	13996	15	50	23	12	547
Ethnicity																						
African American/Black	1										1						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	1										1						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	67	3	4	27	40	25	37	12	18	540	67	4	40	37	18	540	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	3	60	1	20	534	5	0	20	60	20	534	2307	3	32	32	33	536
No	64	3	5	26	41	23	36	12	19	540	64	5	41	36	19	540	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	69	3	4	27	39	26	38	13	19	540	69	4	39	38	19	540	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	29	1	3	8	28	11	38	9	31	536	29	3	28	38	31	536	5731	7	46	29	18	542
No	40	2	5	19	48	15	38	4	10	542	40	5	48	38	10	542	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	69	3	4	27	39	26	38	13	19	540	69	4	39	38	19	540	13988	15	50	23	12	547
Gender																						
Female	29	0	0	14	48	10	34	5	17	540	29	0	48	34	17	540	6889	14	51	23	12	546
Male	40	3	8	13	33	16	40	8	20	540	40	8	33	40	20	540	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	32	0	0	10	31	15	47	7	22	537	32	0	31	47	22	537	1918	3	39	36	22	539
No	37	3	8	17	46	11	30	6	16	542	37	8	46	30	16	542	12078	17	52	21	10	548
Gifted/talented program																						
Yes	4										4						450	64	34	2	0	564
No	65	1	2	25	38	26	40	13	20	538	65	2	38	40	20	538	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	1	17	4	67	1	17	0	0	548	9	17	67	17	0	548	4	8	38	26	28	539
B. less than one hour	64	2	5	17	39	17	39	8	18	541	64	5	39	39	18	541	70	15	52	23	10	547
C. one to two hours	23	0	0	5	31	7	44	4	25	535	23	0	31	44	25	535	24	15	51	23	11	547
D. more than two hours	4	0	0	1	33	1	33	1	33	535	4	0	33	33	33	535	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	3	16	10	53	3	16	3	16	545	28	16	53	16	16	545	34	28	50	14	8	552
B. good	55	0	0	13	34	19	50	6	16	539	55	0	34	50	16	539	45	11	54	24	10	546
C. fair	14	0	0	3	30	3	30	4	40	534	14	0	30	30	40	534	18	3	45	33	19	540
D. poor	3	0	0	1	50	1	50	0	0	538	3	0	50	50	0	538	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	33	3	13	8	35	9	39	3	13	544	33	13	35	39	13	544	38	22	52	19	7	550
B. They match some of what I have learned.	45	0	0	12	39	13	42	6	19	538	45	0	39	42	19	538	48	12	53	24	11	546
C. They match just a little of what I have learned.	16	0	0	6	55	2	18	3	27	538	16	0	55	18	27	538	11	6	40	30	24	540
D. There is no match.	6	0	0	1	25	2	50	1	25	533	6	0	25	50	25	533	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	19	0	0	7	54	5	38	1	8	540	19	0	54	38	8	540	17	7	42	30	21	540
B. about the same as my regular schoolwork	72	2	4	17	35	19	40	10	21	540	72	4	35	40	21	540	64	15	53	23	10	547
C. easier than my regular schoolwork	9	1	17	1	17	2	33	2	33	539	9	17	17	33	33	539	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	23	0	0	7	44	8	50	1	6	541	23	0	44	50	6	541	7	6	39	27	27	539
B. 30–45 minutes	20	1	7	5	36	5	36	3	21	541	20	7	36	36	21	541	28	9	49	28	15	544
C. 45–60 minutes	42	2	7	10	34	11	38	6	21	540	42	7	34	38	21	540	41	17	53	21	9	548
D. more than 60 minutes	14	0	0	5	50	2	20	3	30	535	14	0	50	20	30	535	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	3	0	0	0	0	1	50	1	50	532	3	0	0	50	50	532	6	14	43	24	20	543
B. two or three days a week	13	0	0	4	44	3	33	2	22	538	13	0	44	33	22	538	24	17	52	21	10	548
C. two or three times each month	22	0	0	8	53	6	40	1	7	540	22	0	53	40	7	540	33	17	52	21	9	548
D. never or almost never	62	3	7	15	35	16	37	9	21	540	62	7	35	37	21	540	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	13	0	0	1	11	4	44	4	44	529	13	0	11	44	44	529	23	13	47	26	15	545
B. two or three days a week	23	1	6	7	44	5	31	3	19	542	23	6	44	31	19	542	31	17	52	21	10	548
C. two or three times each month	35	2	8	9	38	8	33	5	21	541	35	8	38	33	21	541	27	17	52	21	10	548
D. never or almost never	29	0	0	10	50	9	45	1	5	541	29	0	50	45	5	541	20	12	50	24	14	545
Optional school/SAU question																						
A.	50	0	0	0	0	1	100	0	0	532	50	0	0	100	0	532						
B.	0										0											
C.	0										0											
D.	50	0	0	1	100	0	0	0	0	542	50	0	100	0	0	542						

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	1	1	1	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	30	43	30	43	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	27	39	27	39	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	11	16	11	16	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	27.2	56.7	27.2	56.7	29.2	60.8
D. The Physical Setting	24	50	11.6	48.3	11.6	48.3	12.9	53.8
E. The Living Environment	24	50	15.7	65.4	15.7	65.4	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	69	1	1	30	43	27	39	11	16	540	69	1	43	39	16	540	13995	4	51	31	13	543
Ethnicity																						
African American/Black	1										1						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	1										1						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	67	1	1	29	43	27	40	10	15	540	67	1	43	40	15	540	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	3	60	1	20	537	5	0	20	60	20	537	2309	2	29	39	29	536
No	64	1	2	29	45	24	38	10	16	540	64	2	45	38	16	540	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	69	1	1	30	43	27	39	11	16	540	69	1	43	39	16	540	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	29	0	0	12	41	11	38	6	21	539	29	0	41	38	21	539	5729	2	42	37	20	539
No	40	1	3	18	45	16	40	5	13	541	40	3	45	40	13	541	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	69	1	1	30	43	27	39	11	16	540	69	1	43	39	16	540	13987	4	51	31	13	543
Gender																						
Female	29	0	0	13	45	10	34	6	21	539	29	0	45	34	21	539	6886	4	49	33	14	542
Male	40	1	3	17	43	17	43	5	13	541	40	3	43	43	13	541	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	32	0	0	13	41	16	50	3	9	540	32	0	41	50	9	540	1917	1	31	41	28	536
No	37	1	3	17	46	11	30	8	22	540	37	3	46	30	22	540	12078	5	55	30	11	544
Gifted/talented program																						
Yes	4										4						450	25	72	2	1	557
No	65	0	0	27	42	27	42	11	17	539	65	0	42	42	17	539	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 21
School: Dirigo Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	3	50	1	17	2	33	542	9	0	50	17	33	542	4	2	37	35	25	538
B. less than one hour	64	1	2	22	50	12	27	9	20	541	64	2	50	27	20	541	70	4	53	31	12	544
C. one to two hours	23	0	0	5	31	11	69	0	0	539	23	0	31	69	0	539	24	5	51	31	12	544
D. more than two hours	4	0	0	0	0	3	100	0	0	534	4	0	0	100	0	534	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	25	0	0	10	59	5	29	2	12	542	25	0	59	29	12	542	26	7	56	26	11	545
B. good	54	1	3	15	41	16	43	5	14	540	54	3	41	43	14	540	53	4	53	31	11	544
C. fair	14	0	0	4	40	4	40	2	20	538	14	0	40	40	20	538	18	2	41	39	17	540
D. poor	7	0	0	1	20	2	40	2	40	534	7	0	20	40	40	534	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	20	0	0	9	64	3	21	2	14	543	20	0	64	21	14	543	23	5	56	28	11	544
B. They match some of what I have learned.	62	1	2	17	40	18	42	7	16	540	62	2	40	42	16	540	48	5	52	31	12	544
C. They match just a little of what I have learned.	12	0	0	3	38	4	50	1	13	538	12	0	38	50	13	538	23	4	49	33	14	543
D. There is no match.	6	0	0	1	25	2	50	1	25	534	6	0	25	50	25	534	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	13	1	13	3	38	2	25	2	25	542	13	13	38	25	25	542	23	5	48	31	16	543
B. about the same as my regular schoolwork	77	0	0	23	47	18	37	8	16	540	77	0	47	37	16	540	58	4	52	32	12	543
C. easier than my regular schoolwork	11	0	0	2	29	4	57	1	14	538	11	0	29	57	14	538	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	29	1	5	9	45	6	30	4	20	541	29	5	45	30	20	541	33	5	51	31	14	543
B. a few times a week	51	0	0	18	51	14	40	3	9	542	51	0	51	40	9	542	45	4	52	32	11	544
C. once a week	13	0	0	1	11	4	44	4	44	532	13	0	11	44	44	532	8	4	50	30	16	542
D. a few times a month	6	0	0	2	50	2	50	0	0	543	6	0	50	50	0	543	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	23	1	6	6	38	6	38	3	19	539	23	6	38	38	19	539	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	33	0	0	8	35	11	48	4	17	538	33	0	35	48	17	538	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	22	0	0	6	40	7	47	2	13	540	22	0	40	47	13	540	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	22	0	0	10	67	3	20	2	13	544	22	0	67	20	13	544	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	33	1	4	12	52	6	26	4	17	543	33	4	52	26	17	543	47	4	51	32	12	543
B. a few times a month	41	0	0	11	39	12	43	5	18	540	41	0	39	43	18	540	27	5	54	30	11	544
C. once a month	10	0	0	2	29	4	57	1	14	534	10	0	29	57	14	534	10	5	49	30	15	543
D. never or almost never	16	0	0	5	45	5	45	1	9	538	16	0	45	45	9	538	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	38	1	4	14	56	8	32	2	8	544	38	4	56	32	8	544	46	4	52	32	12	543
B. a few times a month	34	0	0	10	45	9	41	3	14	540	34	0	45	41	14	540	28	5	53	30	12	544
C. once a month	14	0	0	2	22	4	44	3	33	535	14	0	22	44	33	535	11	4	47	34	15	542
D. never or almost never	14	0	0	3	33	4	44	2	22	535	14	0	33	44	22	535	15	4	50	30	16	542
Optional school/SAU question																						
A.	50	0	0	1	100	0	0	0	0	546	50	0	100	0	0	546						
B.	0										0											
C.	0										0											
D.	50	0	0	0	0	0	0	1	100	526	50	0	0	0	100	526						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number